

Supplementary Figure S1.

Histopathological report of the pulmonary endarterectomy specimen.

Dr. [REDACTED]

M. Sc, Ph. D. Pathology – Prof. of Pathology , Cairo University
Fellow, Armed Forces Institute of Pathology - USA
Member , United States Canadian Academy of Pathology

Dr. [REDACTED]

M. Sc, MD Pathology , Ass. Prof. of Pathology , Cairo University
Fellow , Mass General Hospital , Harvard , USA
Member , United States Canadian Academy of Pathology

Patient Name : [REDACTED]

Analysis ID : [REDACTED] 970491

Age : 38 Y : 4 M : 2 D

Gender : Male

Referred By Prof. Dr. : [REDACTED]

Clinical Diagnosis : Mass invading pulmonary artery wall.

Nature of Specimen : Block (on 965475, Pulmonary endarterectomy)

Receiving Date : 2025-07-09

Patient ID : 715380

PATHOLOGY REPORT

Gross :

Multiple irregular soft to rubbery pinkish white and reddish tissue pieces collectively measured 12x12 cm.

Microscopic :

Sections examined from the specimen received revealed moderate cellular tumor formed of malignant spindle cells with moderate nuclear pleomorphism arranged in short fascicles within a predominantly myxoid background with intervening thin wall vessels, scattered large cells with bizarre nuclei seen.
Mitotic index 26/10 HPF with abnormal mitosis.
No necrosis.

Diagnosis :

Mass invading pulmonary artery wall, Pulmonary endarterectomy, SPINDLE CELL SARCOMA, GRADE III.

- IMMUNOPHENOTYPING IS RECOMMENDED FOR SUBCLASSIFICATION.

Prof. Dr. [REDACTED]

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Prof. Dr. [REDACTED]

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Supplementary Figure S2.

Immunohistochemistry report of the pulmonary endarterectomy specimen.

Dr. [REDACTED]

M. Sc, Ph. D. Pathology - Prof. of Pathology , Cairo University
Fellow, Armed Forces Institute of Pathology - USA
Member , United States Canadian Academy of Pathology

Dr. [REDACTED]

M. Sc, MD Pathology , Ass. Prof. of Pathology , Cairo University
Fellow , Mass General Hospital , Harvard , USA
Member , United States Canadian Academy of Pathology

Patient Name : [REDACTED]

Analysis ID :  965475

Age : 38 Y : 4 M : 2 D

Gender : Male

Referred By Prof. Dr. : [REDACTED]

Clinical Diagnosis : Mass invading pulmonary artery wall.

Nature of Specimen : Pulmonary endarterectomy.

Receiving Date : 2025-06-23

Patient ID : 715380

IMMUNOHISTOCHEMISTRY REPORT

Technique :

Sections were prepared from the paraffin block, processed in Benchmark Ultra machine (Ventana) and stained by rabbit monoclonal antibodies using Ultra view HRP DAB as chromogen and hematoxylin as counter-stain .

The sections were treated against:

SMA (Smooth Muscle Actin) \ CD 31 \ S100 \ MDM2 \ CDK4.

Results :

Tumor cells are NEGATIVE for SMA (Smooth Muscle Actin).

Tumor cells are NEGATIVE for CD 31 .

Tumor cells are NEGATIVE for S100.

Tumor cells are POSITIVE for MDM2.

Tumor cells are POSITIVE for CDK4.

Conclusion :

Block, FINDINGS ARE COMPATIBLE WITH INTIMAL SARCOMA.

Prof. Dr. [REDACTED]



Prof. Dr. [REDACTED]





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